**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**October 22nd, 2010**

**AP Calculus 1, Mrs. Sulkes**

**Practice: Product Rule and Other Good Stuff…**

Find the derivative of each of the following:

1. 

2. 

3. 

4. 

5. 

6. In order to evaluate these limits, you can use the fact that each of the following limits represent the derivative of some function **** at some number **c**.

* First, state .
* Next, state **c.**
* Then use the derivative rules to evaluate the limit!

a.  b. 

c.  d. 

**Homework: p. 147 #3,5,17,19,33,55,67,71,80,88 and p. 125 #49-52 all**